

REVISED VERSION

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
29 December 2004 (29.12.2004)

PCT

(10) International Publication Number  
**WO 2004/113053 A1**

(51) International Patent Classification?: **B29C 51/16**,  
17/04

(21) International Application Number:  
PCT/AU2004/000826

(22) International Filing Date: 24 June 2004 (24.06.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
2003903211 25 June 2003 (25.06.2003) AU

(71) Applicant (for all designated States except US): **ARMA-  
CEL PTY LIMITED** [AU/AU]; 6/22 Narabang Way, Bel-  
rose, NSW 2085 (AU).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **MATICH, Frank**  
[AU/AU]; 6 Nangana Road, Bayview, NSW 2104 (AU).

(74) Agent: **FRASER OLD & SOHN**; Patent Attorneys, Level  
6, 118 Alfred Steet, Milsons Point, NSW 2061 (AU).

(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,

CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.

(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,  
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,  
GW, ML, MR, NE, SN, TD, TG).

Published:

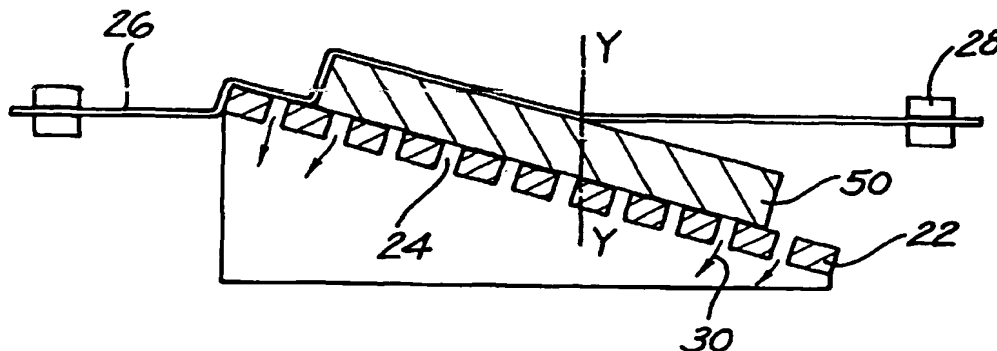
— with international search report

(88) Date of publication of the revised international search  
report: 17 February 2005

(15) Information about Correction:  
see PCT Gazette No. 07/2005 of 17 February 2005, Sec-  
tion II

For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: METHOD OF, AND APPARATUS FOR, FORMING AN ARTICLE AND AN ARTICLE FORMED THEREBY



(57) Abstract: The present invention discloses a method and apparatus to permit the ARMACEL process (known per se from WO 95/23682, WO/09166 and WO 00/59709) to be used without entrapping gas or air between a heated plastics sheet (26) and an imper-  
vious core (40, 50, 60, 70). The core (40, 50, 60, 70) is inclined relative to the sheet (26) by either maintaining the sheet (26) level  
and inclining the core (40, 50, 70) or by maintaining the core (60) level and depressing the sheet (26) to incline same. Apparatus is  
also disclosed including and inclined perforated base plate (22), a contact finger (55) and a pedestal (71).

WO 2004/113053 A1